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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/656,721

DATE: 09/15/2004

TIME: 10:26:58

Input Set : A:\NIH202.001C1SEQLIST.TXT

Output Set: N:\CRF4\09152004\J656721.raw

4 <110> APPLICANT: Pang, Xiaowu
 5 Dayton, Andrew I.
 6 Zhang, Mingjie
 8 <120> TITLE OF INVENTION: SUBGENOMIC REPLICONS OF THE FLAVIVIRUS
 9 DENGUE
 11 <130> FILE REFERENCE: NIH202.001C1
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/656,721
 C--> 13 <141> CURRENT FILING DATE: 2003-09-05
 13 <150> PRIOR APPLICATION NUMBER: PCT/US02/06962
 14 <151> PRIOR FILING DATE: 2002-02-21
 16 <150> PRIOR APPLICATION NUMBER: US 60/274,684
 17 <151> PRIOR FILING DATE: 2001-03-09
 19 <160> NUMBER OF SEQ ID NOS: 31
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 24 <211> LENGTH: 6
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: Delta ME Replicon
 31 <400> SEQUENCE: 1
 32 agttgt
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 35 <211> LENGTH: 12
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Artificial Sequence
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: Delta ME Replicon
 42 <400> SEQUENCE: 2
 43 cgtaacagca cc
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 6
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Delta ME Replicon
 53 <400> SEQUENCE: 3
 54 ggttct
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 6
 58 <212> TYPE: DNA
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:

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62 <223> OTHER INFORMATION: Delta CME Replicon
64 <400> SEQUENCE: 4
65 agttgt 6
67 <210> SEQ ID NO: 5
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69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Delta CME Replicon
75 <400> SEQUENCE: 5
76 gagagaagca cc 12
78 <210> SEQ ID NO: 6
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80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Delta CME Replicon
86 <400> SEQUENCE: 6
87 ggttct 6
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 16
91 <212> TYPE: PRT
92 <213> ORGANISM: Mengo Virus, strain M
94 <400> SEQUENCE: 7
95 Gly Tyr Phe Ser Asp Leu Leu Ile His Asp Val Glu Thr Asn Pro Gly
96 1 5 10 15
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 8
101 <212> TYPE: PRT
102 <213> ORGANISM: Mengo Virus, strain M
104 <400> SEQUENCE: 8
105 Pro Phe Thr Phe Lys Pro Arg Gln
106 1 5
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 16
111 <212> TYPE: PRT
112 <213> ORGANISM: Encephalomyocarditis virus, strain B
114 <400> SEQUENCE: 9
115 Gly Tyr Phe Ala Asp Leu Leu Ile His Asp Ile Glu Thr Asn Pro Gly
116 1 5 10 15
119 <210> SEQ ID NO: 10
120 <211> LENGTH: 8
121 <212> TYPE: PRT
122 <213> ORGANISM: Encephalomyocarditis virus, strain B
124 <400> SEQUENCE: 10
125 Pro Phe Met Ala Lys Pro Lys Lys
126 1 5
129 <210> SEQ ID NO: 11
130 <211> LENGTH: 16

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131 <212> TYPE: PRT
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140 <211> LENGTH: 8
141 <212> TYPE: PRT
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145 Pro Phe Met Phe Arg Pro Arg Lys
146 1 5
149 <210> SEQ ID NO: 13
150 <211> LENGTH: 16
151 <212> TYPE: PRT
152 <213> ORGANISM: Theilers murine encephalomyelitis virus, Bean
154 <400> SEQUENCE: 13
155 Asp Tyr Tyr Arg Gln Arg Leu Ile His Asp Val Glu Thr Asn Pro Gly
156 1 5 10 15
159 <210> SEQ ID NO: 14
160 <211> LENGTH: 8
161 <212> TYPE: PRT
162 <213> ORGANISM: Theilers murine encephalomyelitis virus, Bean
164 <400> SEQUENCE: 14
165 Pro Val Gln Ser Val Phe Gln Pro
166 1 5
169 <210> SEQ ID NO: 15
170 <211> LENGTH: 16
171 <212> TYPE: PRT
172 <213> ORGANISM: Theilers murine encephalomyelitis virus, GDVII
174 <400> SEQUENCE: 15
175 Asp Tyr Tyr Lys Gln Arg Leu Ile His Asp Val Glu Met Asn Pro Gly
176 1 5 10 15
179 <210> SEQ ID NO: 16
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181 <212> TYPE: PRT
182 <213> ORGANISM: Theilers murine encephalomyelitis virus, GDVII
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186 1 5
189 <210> SEQ ID NO: 17
190 <211> LENGTH: 16
191 <212> TYPE: PRT
192 <213> ORGANISM: Foot-and-mouth disease virus, strain 01 Kaufbeuren
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199 <210> SEQ ID NO: 18
200 <211> LENGTH: 8

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201 <212> TYPE: PRT
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214 <400> SEQUENCE: 19
215 Gln Ile Asp Arg Ile Leu Ile Ser Gly Asp Ile Glu Leu Asn Gly Pro
216 1 5 10 15
219 <210> SEQ ID NO: 20
220 <211> LENGTH: 8
221 <212> TYPE: PRT
222 <213> ORGANISM: Bovine rotavirus type C
224 <400> SEQUENCE: 20
225 Pro Asn Ala Leu Val Lys Leu Asn
226 1 5
229 <210> SEQ ID NO: 21
230 <211> LENGTH: 16
231 <212> TYPE: PRT
232 <213> ORGANISM: Porcine rotavirus type C
234 <400> SEQUENCE: 21
235 Gln Ile Asp Arg Ile Leu Ile Ser Gly Asp Val Glu Leu Asn Pro Gly
236 1 5 10 15
239 <210> SEQ ID NO: 22
240 <211> LENGTH: 8
241 <212> TYPE: PRT
242 <213> ORGANISM: Porcine rotavirus type C
244 <400> SEQUENCE: 22
245 Pro Asp Pro Leu Ile Arg Leu Asn
246 1 5
249 <210> SEQ ID NO: 23
250 <211> LENGTH: 69
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: 5' primer
257 <400> SEQUENCE: 23
258 atcattatgc tgattccaac agtgatggcg ttccatttaa ccacacgtaa cagcacctca 60
259 ctgtctgtg 69
261 <210> SEQ ID NO: 24
262 <211> LENGTH: 69
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: 5' primer
269 <400> SEQUENCE: 24

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270 acagctgtcg ctccttcaat gacaatgcgt tgcataaggaa tatcaaataag aagcacctca 60
271 ctgtctgtg                                     69
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274 <211> LENGTH: 51
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: 3' primer
281 <400> SEQUENCE: 25
282 atacagcgtc acgactccca ccaatactag tgacacagac agtgaggtgc t          51
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285 <211> LENGTH: 72
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
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292 <400> SEQUENCE: 26
293 cgaaaaaagg cgagaaatac gcctttcaat atgctgaaac gcgagagaat ggtgagcaag 60
294 ggcgaggagc tg                                     72
296 <210> SEQ ID NO: 27
297 <211> LENGTH: 42
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
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304 <400> SEQUENCE: 27
305 aagggtcaaaa ttcaacagct gcttgtagac ctcgtccatg cc          42
307 <210> SEQ ID NO: 28
308 <211> LENGTH: 74
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: 5' primer
315 <400> SEQUENCE: 28
316 atcattatgc tgaatccaac agtgatggcg ttccatttac cacacgtaac atgagagtga 60
317 tggggatcag gaag                                     74
319 <210> SEQ ID NO: 29
320 <211> LENGTH: 45
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
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330 <210> SEQ ID NO: 30
331 <211> LENGTH: 60
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/656,721

DATE: 09/15/2004

TIME: 10:26:59

Input Set : A:\NIH202.001C1SEQLIST.TXT

Output Set: N:\CRF4\09152004\J656721.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date